

Title (en)

BATTERY PACK HAVING IMPROVED DURABILITY

Title (de)

BATTERIEPACK MIT VERLÄNGERTER HALTBARKEIT

Title (fr)

ENSEMBLE DE BATTERIES À LONGÉVITÉ AMÉLIORÉE

Publication

EP 2634834 A4 20140625 (EN)

Application

EP 11836581 A 20111025

Priority

- KR 20100105320 A 20101027
- KR 2011007954 W 20111025

Abstract (en)

[origin: EP2634834A2] Disclosed herein is a battery pack including a bracket coupled between at least one side supporting member and a rear mounting member to distribute load of battery modules to a rear mounting member via the at least one side supporting member, thereby effectively supporting vibration of the battery pack in a forward and backward direction and load of the battery pack.

IPC 8 full level

H01M 10/04 (2006.01); **H01M 50/209** (2021.01)

CPC (source: EP KR US)

H01M 10/04 (2013.01 - KR); **H01M 10/0481** (2013.01 - EP KR US); **H01M 10/613** (2015.04 - KR); **H01M 10/625** (2015.04 - KR); **H01M 50/20** (2021.01 - KR); **H01M 50/209** (2021.01 - KR); **H01M 50/209** (2021.01 - EP US); **H01M 2220/20** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

Citation (search report)

- [I] WO 2009002096 A1 20081231 - LG CHEMICAL LTD [KR], et al
- [A] US 2009142650 A1 20090604 - OKADA WATARU [JP], et al
- See references of WO 2012057489A2

Cited by

EP2682999A4; EP2685522A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2634834 A2 20130904; **EP 2634834 A4 20140625**; **EP 2634834 B1 20151216**; CN 103155210 A 20130612; CN 103155210 B 20151125; JP 2014501019 A 20140116; JP 5596238 B2 20140924; KR 101231111 B1 20130207; KR 20120043990 A 20120507; US 2013224548 A1 20130829; US 8900736 B2 20141202; WO 2012057489 A2 20120503; WO 2012057489 A3 20120726

DOCDB simple family (application)

EP 11836581 A 20111025; CN 201180049785 A 20111025; JP 2013536501 A 20111025; KR 20100105320 A 20101027; KR 2011007954 W 20111025; US 201313856738 A 20130404